RISC PC

Data Sheet 1
ARM processors: a growing family

April 1994

The ARM610 is just the first in a line of ARM processors all of which will, literally, slot into the Acorn Risc PC architecture.

Following on from the ARM610 versions of the Acorn Risc PC range, will come versions using the ARM700 and beyond this, the ARM800 processors. Each of the new generations of ARM processors will improve and enhance the performance of the Risc PC architecture.

Acorn

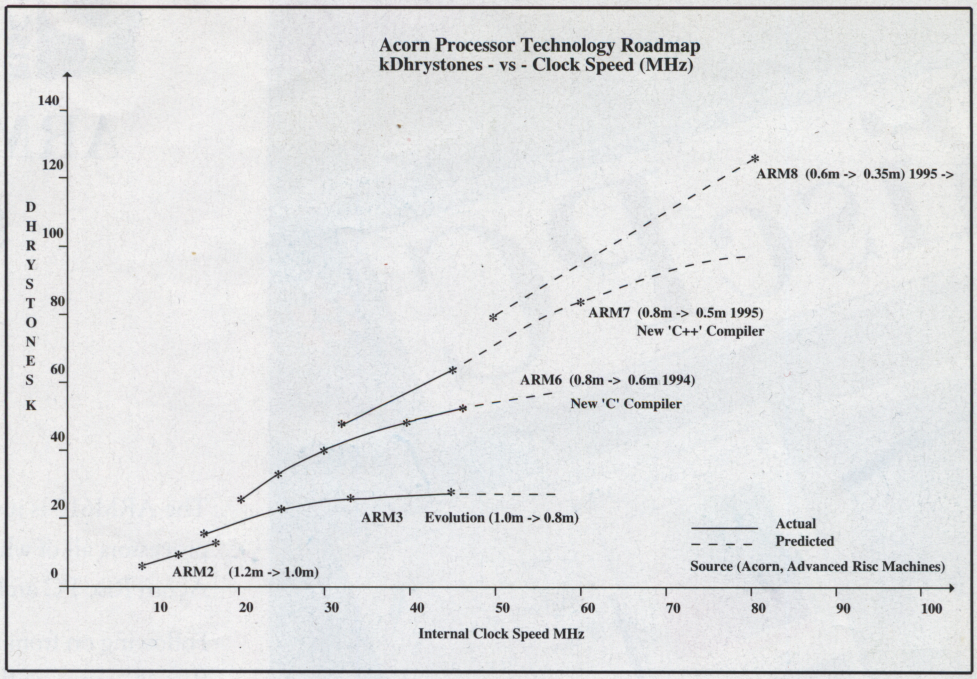
The following chart shows the expected performance benefits to be gained from each generation of ARM processor.

The Acorn Risc PC architecture has been designed to make changing and upgrading the processor as simple as possible. Each processor is supplied on a separate processor board making upgrading the Acorn Risc PC to the next generation of ARM chips as simple as pulling out one processor card and plugging in a new one.

For users who wish to upgrade their Acorn Risc PC to the next generation of processors, Acorn have guaranteed to supply upgrade cards for Acorn Risc PCs no more than three months later than the first Acorn Risc PC using a new processor is shipped.

Acorn has also taken the unusual step of guaranteeing the maximum cost* for a processor upgrade card depending on the Acorn Risc PC model owned. The following table shows the guaranteed maximum price* for a processor card when upgrading an Acorn Risc PC.

* Prices can rise by maximum of RPI



Old processor	New processor >30MHz ARM610	≥40MHz ARM700	>40MHz ARM700	Standard ARM800	High-performance ARM800
30MHz ARM610	£75	£100	£125	£150	£175
> 30MHz ARM610	-	£75	£100	£125	£150
≥ 40MHz ARM700	-	-	£75	£100	£125
> 40MHz ARM700	-	-	-	£75	£100

Risc PC Processor Upgrade Chart

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